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# 中国堇菜科小志(一)

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# NOTULAE DE VIOLACEIS SINENSIBUS（I）

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〔提要〕 作者在文中描述了堇菜属 Viola 的2个新种和1个新变种。滇维堇菜 *V. weixiensis* C. J. Wang, 光蔓茎堇菜 *V. diffusoides* C. J. Wang 及黄花堇（变种）*V. moupinensis* Franch. var. *lijiangensis* C. J. Wang.

在详细观察 *V. vaginata* Maxim 的等模式及 *V. moupinensis* Franch 的原产地模式标本的基础上，作者认为"萱"的拉丁名称应为 *V. moupinensis* Franch 而不是 *V. vaginata* Maxim. 从而订正了以往沿用 *V. vaginata* Maxim 的错误。至今，尚未发现我国有 *V. vaginata* 的分布。

## 一、堇菜属植物新分类群

**1. 滇维堇菜** 新种 图版：10

**Viola weixiensis** C. J. Wang, sp. nov.

(Subgen. *Viola*, Sect. *Trigonocarpae* Godr.)

Species nova *V. himalayensi* W. Bckr. affinis, a qua differt petalis lateralibns intus supra basin barbatis, stigmate apice convexo papillato emarginato; etiam forma laminarum V. sikkimensi W. Bckr. smilis, sed planta estolonifera, caulibus erectis, petalis lateralibus intus supra basin barbatis, calcaribus petalorum infimorum longioribus necnon crassiusculis facile distinguitur.

Herba perennis rhizomatosa. Rhizoma elongatissimum, horizontale vel obliquum, usque ad 10cm longum, internodiis 1—3.5cm longis, apice reliquiis petiolorum emarcidorum brunneorum annotinorum et stipularum emarcidarum praeditum. Caulis erectus, 14—15cm altus, atroviridis, glaber, nodis 2—3. Laminae foliorum basalium late ovatae vel suborbiculares, 3—4.5cm

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longae et 3.5—5cm latae, apice obtusae, basi subcordatae, margine dense crenatae, utrinque glabrae, subtus viridulae, petiolis gracilibus rigidis ca. 9cm longis, stipulis 1/3—1/2 petiolis adnatis, horum partibus liberis lanceolatis ca. 1cm longis margine longe fimbriatis. Laminae foliorum caulinorum minores late ovatae vel triangulari-ovatae 2—3cm longae et 3—4cm latae, petiolis 2—4cm longis, stipulis liberis lanceolatis ca. 1cm longis fimbriatis. Flores albi vel caerulescenti-suffusi, ca. 1.7cm longi; pedicelli ex axilla foliorum caulinorum ortus, 4—5cm longi plerumque folia non superans, ex axillis foliorum basilarium ortusca. 9cm longi, prope apicem 2 bracteolis linearibus praeditus. Spala lanceolata, 4—5mm longa, apice acuta, trinervia, basi appendicibus brevibus 1—1.5mm longis obtusis praedita, margine integra, emembranacea. Petala superiora longe obovata, 1.1—1.3cm longa et 3.5—5mm lata, apice obtusa, basi angustata, lateralia oblonga, 1—1.2cm longa et 3.5—4cm lata, intus supra basin barbata, petalum infimum spathulatum cum calcari 1.2—1.4cm longum; calcar cylindricum, 3.5—4mm longum et ca. 2.5mm crassum. Antherae ca. 2mm longae, projecturis connectivorum loculos superantibus ca. 1.5mm longis, appencicibus (nectaribus) staminum inferiorum breviter cornuatis ca. 2mm longis. Ovarium ovoideum, glabrumj stylus clavatus, basi subgeniculatus, apicem versus sensim spissescens; stigma apice convexum, emarginatum,papillatum, antice brevissime rostellatum. Capusula ellipsoidea.

**Yunnan** (云南): Weixi Xian (维西县), on mountain slopes, under the Pinus yunnanensis Franch. forest, alt. 2100m, 12. V. 1982, Exped. Qing-Zang, 6472 (**Holotypus PE**, 主模式标本存中国科学院植物研究所)。

**多年生草本**。根状茎发达，横走或斜生，延伸极长，长者可达10厘米，节间长1—3.5厘米，残存深褐色枯萎的叶柄及托叶。地上茎直立，高14—25厘米，具2—3节，深绿色，无毛。基生叶叶片宽卵形或近圆形，长3—4.5厘米，宽3.5—5厘米，先端钝，基部浅心形，边缘密生浅圆齿，两面光滑无毛，下面淡绿色，叶柄细而坚韧，长达9厘米，托叶1/3—1/2与叶柄合生，离生部分披针形，长约1厘米，边缘具长流苏；茎生叶叶片较小，宽卵形或三角状卵形，长2—3厘米，宽3—4厘米，具长2—4厘米的叶柄，托叶离生，披针形，长约1厘米，具流苏状齿。花白色或带淡蓝色，长约1.7厘米；花梗生自茎生叶叶腋者长4—5厘米，通常不高出于叶，生自基生叶叶腋者长达9厘米，近顶部（靠近花下）有2枚线形苞片；萼片披针形，长4—5毫米，先端尖，基部附属物短，长1—1.5毫米，末端圆；上方花瓣长倒卵形，长1.1—1.3厘米，宽3.5—5毫米，顶端圆，基部变窄，侧方花瓣长圆形，长1—1.2厘米，宽3.5—4毫米，里面近基部有须毛，下方花瓣匙形，连距长1.2—1.4厘米，距筒状，长3.5—4毫米，粗约2.5毫米；花药长约2毫米，药隔顶部的附属物长约1.5毫米，下方雄蕊的附属物(距)呈短角状，长约2毫米；子房卵球形，无毛，花柱棍棒状，基部稍膝曲，向上渐增粗，

柱头顶部凸起，无缘边，有乳头状突起物，前方具极短的喙。蒴果卵球形（未熟）。花期5月，果期6月。

本种与印度产喜马拉雅堇菜 *V. himalayensis* W. Bckr. 相近似，但侧方花瓣里面有须毛，柱头顶部有乳头状突起，无缘边；又与锡金堇菜 *V. sikkimensis* W. Bckr. 的叶形相似，但无匍匐枝，却有直立的地上茎，侧方花瓣里面有须毛，下方花瓣之距较长而粗，柱头形状有异，故较易区别。

2. **光蔓茎堇菜** 新种 图版：1—9

**Viola diffusoides C. J. Wang, sp. nov.**

(Subgen. *Viola*, Sect. *Diffusae* W. Bckr.)

——*V. diffusa* Ging. ex DC var. *glabella* H. de Boiss. in Bull. Herb. Boiss. 11: 1077. 1901, non V. *glabella* Nutt., 1838.

Species haec *V. diffusae* Ging. ex DC et *V. diffusae* Ging. ex DC var. *brevibarbatae* C. J. Wang affinis, sed plantis glaberrimis; petalis superioribus et lateralibus sepala aequantibus vel eis leviter longioribus, versus basin distincte unguiculatis bene differt.

Herba perennis acaulis. Rhizoma verticale, viride, ca. 8cm longum et 1—3mm crassum, rigidulum, radicibus fibrosis filiformibus numerosis praeditum. Stolones graciles, elongati, apice foliis rosulatis praediti. Folia numerosa, rosulata vel in stolonibus alternativa; laminae ovatae ellipticaeve, 1.5—2.5cm longae et 0.8—1.5cm latae, apice obtusae vel subacutae, basi late cuneatae vel suborbiculares, secus petiolum decurrentes, margine crenulatae, utrinque glaberrimae; petioli glabri et distincte alati, 1—3.5cm longi; stipulae pro parte majore liberae, tantum ad basin petiolis adnatae, partibus liberis lineari-lanceolatis, 1—1.2cm longis et ca. 1.5mm latis, ad apicem sensim longe acuminatis, glabris, margine sparsim fimbriatis. Flores minores, dilute violacei, ex axillis foliorum basilarium vel in extremitate stolonum prodientes, pedicellis tenuissimis 3—8cm longis; bracteolae 2 oppositae, lineares, integerrimae, supra medium pedicelli sitae, 6—12mm longae. Sepala lanceolata, 6—7.5mm longa, apice acuminata, distincte albido-membranaceo-marginata, brevissime appendiculata, appendicibus ca. 1.5mm longis apice truncatis et sparsim dentatis. Petala superiora et lateralia oblonga vel oblongo-ovata, ca. 5—6mm longa, versus basin distincte unguiculata, lateralia intus supra basin breviter barbata, petalum infumum sepalis distincte breviora ca. 6mm longa, calcari breviore saccato ca. 1.2 mm longo apice roduntado et appendicibus calycis paulo longiore. Antherae ellipticae oblongaeve ca. 1.5mm longae et 1mm latae, connectivo in projecturam membranaceam elliptico-ovatam ca. 1mm longam supra loculos producto. Staminum inferiorum appendices (nectaria) breves, late ovatae,

ca 1.2mm longae lataeque, antheris paulo breviores. Ovarium glabrum; stylus clavatus, basi leviter geniculatus, apicem sursus crassus; stigma bilobum, marginibus incrassatis et erectis, antice breviter erecto-rostellatum, ad apicem rostelli orificio tenui ornatum. Capsula oblonga, 6—7mm longa, acuminata, glaberrima, calycem persistens usque ad maturitatem leviter superans.

**Sichuan** (四川): Hechuan (合川), 金滩至渠河口途中, on mountain slopes, 19, III. 1941, Y. C. Yang 4231 (**holotypus**, PE); Chongqing (重庆), Beipei (北碚), Huanjiaozhen (黄角镇), 15, III. 1946, Liu Fangzhong (刘昉钟), Without a number; same locality (同地), 29, III. 1946, Qian Chongshu (钱崇澍) 6009; Beipei (北碚), on the roadside, 9, III. 1944, Wang Shujia (王树嘉) 1473. **Yunnan** (云南): Mengla (勐腊), Mengpeng (勐捧), alt, 800m, Bamboo thickets, X. 1936, C. Y. Wang (王启无) 78986。

多年生草本，无地上茎。根状茎长达8厘米余，粗1—3毫米，垂直，颇坚硬，绿色。匍匐枝纤细，延伸，顶端生莲座状叶丛。叶基生，常呈莲座状，或互生于匍匐枝上，叶片卵形或椭圆形，长1.5—2.5厘米，宽0.8—1.5厘米，先端钝或稍尖，基部宽楔形或近圆形，沿叶柄下延，边缘具细圆齿，两面均无毛；叶柄无毛，具翅，长1—3.5厘米；托叶大部分离生，仅基部与叶柄合生，离生部分线状披针形，长1—1.2厘米，宽约1.5毫米，先端长渐尖，边缘疏生流苏状齿，无毛。花较小，淡紫色，具细长的花梗；花梗自基生叶或匍匐枝顶端叶的叶腋抽出，长3—8厘米，中部稍上处有2枚对生的线形苞片；苞片长6—12毫米，全缘；萼片披针形，长6—7.5毫米，先端渐尖，具白色膜质边缘，基部附属物短，长约1.5毫米，呈截形具疏齿；上方花瓣长圆状卵形，长5—6毫米，顶端圆，基部变狭，侧方花瓣长圆形，长5—5.5毫米，基部有明显的爪部，里面近基部处有短须毛，下方花瓣连距长约6毫米，明显短于萼片，距短呈浅囊状，长约1.2毫米，稍长于萼片的附属物；花药椭圆形或长圆形，长约1.5毫米，宽约1毫米，药隔在药室上方伸长成椭圆状卵形，膜质的附属物，下方雄蕊的附属物(距)短呈宽卵形，长与宽均为1.2毫米，稍短于花药；子房无毛，花柱棍棒状，基部稍膝曲，向上渐增粗，柱头二浅裂，缘边稍厚而直展，前方具向上直立的短喙，喙端具细的柱头孔。蒴果长圆形，长6—7毫米，较宿存的萼片稍长，顶端尖，无毛。花果期3—5月。

本种与蔓茎堇菜 *V. diffusa* Ging. ex DC 及其变种短须蔓茎堇菜 *V. diffusa* Ging. ex DC var. *brevibarbata* C. J. Wang 近似，但本种全株无毛；上方及侧方花瓣与萼片等长或稍长，基部变狭呈爪状易于区别。

**3. 黄花堇　新变种**

**Viola moupinensis** Franch. var. **lijiangensis**, var. nov.

A var. *moupinensi* recedit petalis flavis, laminis subtus pubescentibus, stipulis lanceolatis.

**Yunnan** (云南): Lijiang (丽江), alt. 2000m, in grassy shady place of stream side, VI. 1936, C. W. Wang (王启无) 7116 (**holotypus** PE).

本变种与原变种萱的主要区别是，花瓣黄色，叶下面被柔毛，托叶披针形。

## 二、萱的拉丁名订正

萱是主要分布在我国长江流域及其以南各地区的一种大叶形、根状茎又特别粗壮的堇菜属植物。全草供药用，能清热解毒，活血去瘀。

以前国内一些植物分类学及药用植物学文献或书籍中，大都采用 *Viola vaginata* Maxim. 作为它的拉丁名称。近年来，在编写《中国植物志》堇菜科的过程中，有机会查阅了国内一些标本室所收藏的标本，并与日本的标本进行对比，发现我国所产的该种植物与原产于日本的 *V. vaginata* Maxim. 不同。即国产植物侧方花瓣里面近基部处有须毛；无地上茎，但在花后常生有上升的茎状匍匐枝；枝端有簇生状叶，叶腋间生花；花白色或淡紫色。而 *V. vaginata* Maxim. 侧方花瓣里面无须毛；叶均基生，无匍匐枝；花为紫色或淡紫色。故过去对萱所延用的拉丁名称是不确切的，应采用 *V. moupinensis* Franch 作为萱的拉丁名。

为了便于查证，兹将萱的拉丁名及文献引证录后，以供参考。

**Viola moupinensis** Franch. in Bull. Soc. Bot. Fr. 33:412. 1886 et Pl. Delav. 72. 1889; W. Bckr. in Beih. Bot. Central. 40 (2): 137. 1923; Hand.-Mazz., Symb. Sin. 7: 379. 1931; Hara in Fl. East. Himal. 3rd Report. 83. 1975.——*V. palustris* L. var. *moupinensis* Franch. in Bull. Soc. Bot. Fr. 33: 412. 1886 et Pl. David. 2: 20. 1888.——*V. vosthornii* Pritz. in Bot. Jahrb. 29: 477. 1901; H. de Boiss. in Bull. Herb. Boiss. 11: 1079. 1901.——*V. vaginata* Maxim. var. *sutchuensis* Franch. ex H. de Boiss. in Bull. Herb. Boiss. 11: 1078. 1901, syn. nov.——*V. vaginata* Maxim. ssp. alata W. Bckr. in ibid. 34(2): 253. 1916 et in Fedde, Repert. Sp. Nov. 22: 440. 1922, syn. nov.——*V. vaginata* auct. non Maxim.: Chang in Bull. Fan. Mem. Inst. Biol. 1(3): 250. 1949, excl. syn.; 中国高等植物图鉴 2: 917. 图3563. 1972; 同上，补编 2: 515. 1983


## ABSTRACT

In this article the author describes 2 species and 1 variety of Viola as new to science. Among them one is *Viola weixiensis* C. J. Wang, the style of which is convex without margin, but with papilose at summit, gradually passing into short beak directed slightly upward. The other *Viola diffusoides* C. J. Wang is glabrous, a perennial plant spreading by numerous leafy stolons. Its upper and lateral petal gradually narrowed into a claw at base. *Viola moupinensis* Franch. var *lijiangensis* C. J. Wang nearest to the typical variety, from which it differs by the yellow flowers and pilose beneath the leaves.

Based upon the detailed observations on the isotype of *Viola vaginata*

Maxim. and topotype of *Viola moupinensis* Franch., the author holds, that the Latin name *Viola moupinensis* Franch. should be used for "huan" (萓) instead of the wrong use of *Viola vaginata* Maxim. for it; the corrections of Which had already been made. Up to now the distributions of *Viola vaginata* Maxim. have not yet been found in China.




图版：1—9．光蔓茎堇菜 Viola diffusoides C. J. Wang
1.植株；2.托叶；3.萼片；4.上瓣；5.侧瓣；6.下瓣；7—8.雄蕊；9 雌蕊。10滇维堇菜 V. weixiensis C. J. Wang 10.雌蕊。（白建鲁绘）